



Generate Collection

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L4: Entry 5 of 11

File: USPT

Apr 25, 2000

US-PAT-NO: 6055514

DOCUMENT-IDENTIFIER: US 6055514 A

**\*\* See image for Certificate of Correction \*\***

TITLE: System for marketing foods and services utilizing computerized centraland remote facilities

DATE-ISSUED: April 25, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wren; Stephen Corey	Hazelwood	MO	63042	

APPL-NO: 08/ 668561 [PALM]

DATE FILED: June 21, 1996

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is a continuation-in-part of U.S. application Ser. No. 08/268,309, filed Jun. 29, 1994, now abandoned which is a continuation-in-part of application Ser. No. 08/264,184, filed Jun. 22, 1994, now abandoned which in turn was a continuation of application Ser. No. 08/051,743, filed Apr. 22, 1993 now abandoned. Application Ser. No. 08/051,743 was itself a continuation-in-part of Ser. No. 07/855,099, filed Mar. 20, 1992, now abandoned all of which are incorporated herein by reference. The application herein is copending with Ser. No. 08/650,834, filed May 20, 1996 pending which is also a continuation-in-part of U.S. application Ser. No. 08/268,309, filed Jun. 29, 1994 now abandoned.

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/27; 705/26, 705/36

US-CL-CURRENT: 705/27; 705/26, 705/36

FIELD-OF-SEARCH: 705/10, 705/26-28, 705/35, 705/37, 379/93.01, 379/93.06, 345/329-332, 395/200.3

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	4359631	November 1982	Lockwood et al.	235/381
<input type="checkbox"/>	4845636	July 1989	Walker	364/79
<input type="checkbox"/>	4984155	January 1991	Geier et al.	705/26
<input type="checkbox"/>	4992940	February 1991	Dworkin	705/26
<input type="checkbox"/>	5164982	November 1992	Davis	379/93.17
<input type="checkbox"/>	5231571	July 1993	D'Agostino	705/36
<input type="checkbox"/>	5243515	September 1993	Lee	705/37
<input type="checkbox"/>	5319542	June 1994	King, Jr. et al.	705/27
<input type="checkbox"/>	5392400	February 1995	Berkowitz et al.	395/200

ART-UNIT: 275

PRIMARY-EXAMINER: Macdonald; Allen R.

ASSISTANT-EXAMINER: Kazimi; Hani M.

ATTY-AGENT-FIRM: Wilson Jr; Norman L.

ABSTRACT:

A system for shopping for goods and services includes central communications facilities and remote communications facilities connected by communications links and permitting data communications between them. Central communications facilities offer goods and services in competition with each other. Each central communications facility stores, in addition to data, graphics in the form of video, and audio in the form of computerized voice and music. Computer input devices at each remote communications facility permit customers to access the data, graphics and audio. Computers at each remote communications facility also enable that facility to receive and download the data, graphics, and audio. Each remote communications facility is adapted to enable a customer, after viewing the data, graphics, and audio, to electronically negotiate a price for the purchase of the goods and services. Each central communications facility can generate and transmit to the remote facility transaction specific paperwork relative to the price so negotiated.

5 Claims, 1 Drawing figures



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L4: Entry 5 of 11

File: USPT

Apr 25, 2000

DOCUMENT-IDENTIFIER: US 6055514 A

**\*\* See image for Certificate of Correction \*\***

TITLE: System for marketing foods and services utilizing computerized central and remote facilities

Abstract Text (1):

A system for shopping for goods and services includes central communications facilities and remote communications facilities connected by communications links and permitting data communications between them. Central communications facilities offer goods and services in competition with each other. Each central communications facility stores, in addition to data, graphics in the form of video, and audio in the form of computerized voice and music. Computer input devices at each remote communications facility permit customers to access the data, graphics and audio. Computers at each remote communications facility also enable that facility to receive and download the data, graphics, and audio. Each remote communications facility is adapted to enable a customer, after viewing the data, graphics, and audio, to electronically negotiate a price for the purchase of the goods and services. Each central communications facility can generate and transmit to the remote facility transaction specific paperwork relative to the price so negotiated.

Application Filing Date (1):

19960621

Brief Summary Text (15):

Another remote transaction system disclosed in U.S. Pat. No. 4,845,636 to Walker provides a transaction booth located remotely from an operations center for facilitating a transaction such as the renting of an automobile. The booth and center were connected by audio and video equipment used for transmitting audio and video signals from the customer in the booth to the agent at the operations center in order to negotiate a transaction. The customer in this instance knew what he wanted. He was not shopping, but merely seeking to effect a predetermined transaction.

Brief Summary Text (21):

Another object of the invention is to facilitate transactions by customers at remote locations, for instance, car, truck, boat and motorcycle dealerships, department stores, public locations such as shopping malls, auction houses, airports, grocery stores, and real estate offices.

Brief Summary Text (50):

This invention provides a system where customers can shop for homes and obtain financing all in one place, computer stores, homes, factories, office buildings, and from all public and private locations from which a consumer or customers want to obtain product information or perform a transaction.

Brief Summary Text (53):

A number of terminals can be grouped to form an electronic shopping store permitting the customer to obtain desired information on the products of his choice while having access to highly knowledgeable representatives and can also record, print or otherwise, selected information for their later review. For this purpose the customer's monitor can display a tool or icon they will use to control the information to be recorded. Remote facilities can even be portable so that for example they can be used at trade shows such as car shows permitting attendees to obtain more specific information about the products they desire and to execute their purchase and obtain financing. The customer is to communicate with central

facilities or locations comprising banks, credit unions and finance companies, a service company representing such companies, manufacturer's offices, or in general any location from which a customer might wish assistance in facilitating a transaction. The method by which the transactions are facilitated reduces the costs associated with creating, marketing, administering, and selling these products and services, thereby making them more cost effective and affordable.

Brief Summary Text (59):

The present invention in utilizing an electronic version of a Yellow Pages has deviated from the prior art in modifying these types of systems to fit with existing shopping patterns of the public. Rather than requiring the public to change their method of shopping for goods and services as the prior art requires, the present invention has adapted to existing modes of shopping. The present invention has anticipated that the public's learned behavior is difficult to break and so has provided that the customer can shop according to existing patterns permitting them to shop by manufacturer, product, or marketer as one might if they were previously shopping for say a tire. In that event a customer can locate that specific tire either by its model name, its manufacturer, or the marketer through which he intends to purchase it. This approach is akin to a customer shopping through the White or Yellow Pages or by store or in a mall.

Brief Summary Text (60):

Additionally customers can just browse through a selection of goods and services as though they were window shopping. To accomplish this the system can present a collection of products for those customers who do not have any specific need but are rather shopping as entertainment. This might include a group of unique products offered at special prices or terms. These could include limited edition merchandise or closeouts. As demonstrated, rather than requiring the public to adapt itself to a new method as did the prior art, this system has adapted itself to the public and current shopping behaviors.

Detailed Description Text (6):

For an application of this system in homes the input device could be a television remote control device perhaps with alterations comprising cursor movement keys, a joystick, or a microphone for voice input. In recording this product information the customer can then save or take the desired information with him for his later review which might comprise instructions for use, operation, or assembly and can include a list of suggested products or services as advised by the live representative or by the central facility computer. Such information might be recorded on paper, magnetically such as upon a cassette, video tape, computer disc, CD, or a chip embedded or smart card, or by some other means. Comparably the central facility can record the transaction for later retrieval so the customer can continue where he left off at a later date should his interest renew or for identification purposes or for possible assistance in resolving disputes. Other means to verify identification of the customer can be used comprising magnetically encoded badges or cards, or the use of eye or finger scanning devices. Additionally, a mail bag 28 or other means for remitting payment or documents is provided at the remote facility 14.

Detailed Description Text (31):

Another embodiment provides for team shopping permitting a group customers at the same or different locations to view the same presentation simultaneously under the control of one of the customers as they speak with each other. In this instance a customer at the same or different remote location will assume control of the input device for one or more different customers. Control of the system can alternate between the individuals so that at times a first customer can control the presentation while at another time a second or other customer can assume control. The selected information will be presented to each shopper in the party though they can be at different customer locations. In this way each person in the group can share with the others products they find interesting. At the same time they can all engage in a group conversation or perhaps video conference so each can hear the other as they review the presentations together.

Detailed Description Text (32):

The advantage of this approach is that historically electronic systems have failed to captivate certain segments of the population such as females. Part of the problem is that the act of using such a system has to this point been a solitary activity. While some customers can be content using the system by themselves, others are more group oriented and prefer social contact. For example, while some people (perhaps men) will be more inclined to visit a store or go shopping by themselves, others

(perhaps women) are more likely to be accompanied by a friend. This embodiment of the system then recognizes these differences between customers and allows those who are more group oriented to use the system in a way they are comfortable with.

Detailed Description Text (33):

Another use of the system is to create electronic cities. Here the system creates a tour to guide electronic tourists through a selected city showing important points of interest as presented by an electronic version of a tour guide with verbal narration. Customers are allowed to browse and shop on their own at anytime. Using the system in this way customers are able to electronically sightsee and shop at a selection of cities within their country and internationally. The ability to tie in the flavor and charm of a city or country with its products should greatly encourage customers to shop and make the customer's experience fascinating. Cities and countries could introduce themselves in a positive way and encourage tourism. The system's use in this fashion allows it to disseminate knowledge of a region and its people to others helping to improve relations between cities and countries.

Current US Original Classification (1):

705/27

Current US Cross Reference Classification (1):

705/26

CLAIMS:

1. In a system for shopping for goods and services, utilizing central communications facilities and remote communications facilities connected by communications links adapted to permit data communications between processors at remote and central communications facilities, wherein the central communications facilities have been regionally located branches of each other with input for remote facilities controlled by the central communications facilities, the improvement providing a system wherein customers can shop for cars, boats, motorcycles, vacations, travel packages, investments, furniture, real estate, service contracts, product warranties, entertainment, financial services, and other goods or services a customer might desire to price competitively, said improvement including:

means providing multiple competing central communications facilities offering a greater number of competing goods and services in order to increase competition;

means for storing in a database in each central communications facility data, graphics in the form of video and audio in the form of computerized voice and music, each relating to the competing goods and services being offered to the remote communications facility;

computer input means at each remote communications facility permitting customers at remote communications facilities to access the data, graphics and audio relative to the competing goods and services in the database at central communications facilities;

computer means enabling each central communications facility to transmit data, graphics, and audio relative to the competing goods and services to each remote communications facility from its database;

electronic and computing means at each remote communications facility enabling that facility to receive and download data, graphics, and audio relative to the competing goods and services thus transmitted;

hypertext application software for providing remote facility information relative to competing goods and services at various levels of detail;

means permitting the remote communications facility to access and browse different levels of the information;

means for recording a stopping point in the customer's browsing, and for using that stopping point to enable the customer to continue where he left off;

computer input means at each remote communications facility enabling a customer, after viewing the data, graphics, and audio relative to the competing goods and services, to electronically negotiate prices relative to the goods and services; and

means enabling each central communications facility to generate and transmit to the remote facility transaction necessary contracts and documents for any of financing, paying, and insuring, at prices, so negotiated, the competing goods and services.



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L8: Entry 1 of 11

File: USPT

Dec 4, 2001

US-PAT-NO: 6325292

DOCUMENT-IDENTIFIER: US 6325292 B1

TITLE: Card system and methods utilizing collector cards

DATE-ISSUED: December 4, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sehr; Richard P.	Santa Clara	CA	95054	

APPL-NO: 09/ 067094 [PALM]

DATE FILED: April 26, 1998

## PARENT-CASE:

This application claims the benefit of Provisional Patent Application Ser. No. 60/045,768, filed May 6, 1997.

INT-CL: [07] G06 K 19/06

US-CL-ISSUED: 235/492; 235/375, 235/487

US-CL-CURRENT: 235/492; 235/375, 235/487

FIELD-OF-SEARCH: 235/492, 235/380, 235/375, 235/387, 395/600

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	4752676	June 1988	Leonard et al.	235/379
<input type="checkbox"/>	5067162	November 1991	Driscoll et al.	382/286
<input type="checkbox"/>	5155342	October 1992	Urano	235/380
<input type="checkbox"/>	5264689	November 1993	Maes et al.	235/492
<input type="checkbox"/>	5287269	February 1994	Dorrough	364/408
<input type="checkbox"/>	5287641	February 1994	Sedwers	40/488
<input type="checkbox"/>	5302811	April 1994	Fukatsu	235/381
<input type="checkbox"/>	5411259	May 1995	Pearson	463/63
<input type="checkbox"/>	5433035	July 1995	Bauer	40/124.1
<input type="checkbox"/>	5522590	June 1996	Morran	273/244.2
<input type="checkbox"/>	5542709	August 1996	Evans	283/61
<input type="checkbox"/>	5566327	October 1996	Sahr	395/600
<input type="checkbox"/>	5641164	June 1997	Doederlein et al.	273/237
<input type="checkbox"/>	5743801	April 1998	Welanders	463/44
<input type="checkbox"/>	5748731	May 1998	Shepherd	380/4

#### OTHER PUBLICATIONS

Anonymous, "New Services: Debit Card Rollercoaster Stops at Texas Instrument Park AstroWorld: Uses Financial Interchange/First City Bancorp POS Svc for Theme Park", EFT Report, Aug. 8, 1988, p. 8.  
 Joan H. Murphy, "Opryland: Security in Harmony", Security Management, vol. 33, No. 8, Aug., 1989, pp. 89-91.  
 Anonymous, "How Debit is Accepted in Some Amusing Ways", POS News, Jan. 1, 1992, pp. N/A.  
 Carl Shakford, "A Jungle Out There. (Anheuser Bush Theme Parks)(case study)", LAN Magazine, vol. 10, No. 7, pp. 127-131.

ART-UNIT: 286

PRIMARY-EXAMINER: Frech; Karl D.

#### ABSTRACT:

A card system and methods that encompass a card issuer entity and a plurality of service providers so as to automatically compile, issue, utilize, and process collector cards for the purpose of enjoyment, purchase of goods and services, and for the activation of other card-based privileges. The portable collector cards are realized by smart card technology and have the ability to compile and process collectible information, and store and use a monetary amount to simulate debit/credit card payment means. Biometrics identification of cardholders, as well as cryptographic certification of collectible card data and related information, can optionally be encoded onto the cards and can be verified and validated at various point-of-service locations upon presentation of the card for utilization, including for manipulation of collectible information, rendering of card-based services, and for communications of card data and database information.

49 Claims, 2 Drawing figures





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L8: Entry 2 of 11

File: USPT

Jan 2, 2001

US-PAT-NO: 6168079

DOCUMENT-IDENTIFIER: US 6168079 B1

TITLE: Customer information terminal system with a docking member for a data collection device

DATE-ISSUED: January 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Becker; Robert J	Richfield	OH		
Canda; Gregory R.	Tallmadge	OH		
Vanhorn; David B.	Columbia Station	OH		
Ramsey; Roger H.	Akron	OH		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Telxon Corporation	Akron	OH			02

APPL-NO: 08/ 870248 [PALM]

DATE FILED: June 6, 1997

## PARENT-CASE:

This application is a continuation-in-part of U.S. patent application Ser. No. 08/668,343 filed Jun. 26, 1996 now U.S. Pat. No. 5,821,512.

INT-CL: [07] G06 F 7/10

US-CL-ISSUED: 235/383; 235/462.01

US-CL-CURRENT: 235/383; 235/462.01

FIELD-OF-SEARCH: 235/432, 235/380, 235/382, 235/383, 235/382.5, 235/375, 235/379, 235/462.01, 235/472.01

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	FILE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	5250789	October 1993	Johnsen	235/383
<input type="checkbox"/>	5295064	March 1994	Malec et al.	235/383
<input type="checkbox"/>	5382779	January 1995	Gupta	235/383
<input type="checkbox"/>	5424524	June 1995	Ruppert et al.	235/462
<input type="checkbox"/>	5448046	September 1995	Swartz	235/432
<input type="checkbox"/>	5484991	January 1996	Sherman et al.	235/472

#### FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0655717A2	May 1995	EP	
PCT/US88/03432	October 1988	WO	
PCT/US92/06992	August 1992	WO	
PCT/US96/20497	December 1996	WO	
PCT/US97/20845	November 1997	WO	

#### OTHER PUBLICATIONS

PCT International Search Report as compiled by European Patent Office, International Application No. PCT/US98/11366, International Filing Date: Jun. 3, 1998, and prior art documents cited therein.

ART-UNIT: 286

PRIMARY-EXAMINER: Le; Thien Minh

ATTY-AGENT-FIRM: Renner, Otto, Boisselle & Sklar, P.L.L.

#### ABSTRACT:

A customer information terminal system having a docking member for supporting a data collection device on a shopping cart, wall or the like. The docking member is dimensioned to receive the data collection device and allow for convenient storage thereof during and after use. The data collection device may take any number of forms, including a consumer assistant data terminal, a pen based data terminal, a scanning gun terminal or the like, and may communicate with a host computer system storing customer shopping data. The docking member may provide one or more degrees of movement, so that the data collection device may be situated in a convenient position. An interlock switch may also be provided to allow for the alternative selection of power sources. When the data collection device is located remote from the docking member, the interlock switch causes the device to be powered by an internal power source. When the data collection device is situated in the docking member the interlock switch causes the device to be powered by an external power source. In addition, the external power source can be used to charge the internal power source.

48 Claims, 19 Drawing figures



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L8: Entry 3 of 11

File: USPT

Jul 18, 2000

US-PAT-NO: 6091956

DOCUMENT-IDENTIFIER: US 6091956 A

TITLE: Situation information system

DATE-ISSUED: July 18, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hollenberg; Dennis D.	Ventura	CA	93001	

APPL-NO: 08/ 873965 [PALM]

DATE FILED: June 12, 1997

INT-CL: [07] H04 Q 7/20

US-CL-ISSUED: 455/456; 455/566, 455/557

US-CL-CURRENT: 455/456.5; 455/557, 455/566

FIELD-OF-SEARCH: 455/432, 455/433, 455/435, 455/456, 455/556, 455/557, 455/558, 455/566, 455/12.1, 342/357, 342/454, 342/457, 340/825.47, 340/311.1, 340/905

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	4804937	February 1989	Barbiaux et al.	340/52F
<input type="checkbox"/>	4982346	January 1991	Girouard et al.	364/550
<input type="checkbox"/>	5045861	September 1991	Duffett-Smith	342/457
<input type="checkbox"/>	5052943	October 1991	Davis	439/357
<input type="checkbox"/>	5124915	June 1992	Krenzel	364/420
<input type="checkbox"/>	5173691	December 1992	Sumner	340/905
<input type="checkbox"/>	5182555	January 1993	Sumner	340/905
<input type="checkbox"/>	5184314	February 1993	Kelly et al.	364/709.01
<input type="checkbox"/>	5218188	June 1993	Hanson	235/375
<input type="checkbox"/>	5235633	August 1993	Dennison et al.	455/456
<input type="checkbox"/>	5313200	May 1994	Sone	340/905
<input type="checkbox"/>	5334974	August 1994	Simms et al.	340/990
<input type="checkbox"/>	5414432	May 1995	Penny, Jr. et al.	342/357
<input type="checkbox"/>	5465038	November 1995	Register	340/2
<input type="checkbox"/>	5504482	April 1996	Schreder	340/995
<input type="checkbox"/>	5504589	April 1996	Montague et al.	358/403
<input type="checkbox"/>	5524081	June 1996	Paul	364/460
<input type="checkbox"/>	5526357	June 1996	Jandrell	370/95.2
<input type="checkbox"/>	5539395	July 1996	Buss et al.	340/825.47
<input type="checkbox"/>	5559520	September 1996	Barzegar et al.	342/357
<input type="checkbox"/>	5561704	October 1996	Salimando	455/456
<input type="checkbox"/>	5566226	October 1996	Mizoguchi et al.	455/566
<input type="checkbox"/>	5589838	December 1996	McEwan	342/387
<input type="checkbox"/>	5694335	December 1997	Hollenberg	364/514C
<input type="checkbox"/>	5822692	October 1998	Krishan et al.	455/557

#### OTHER PUBLICATIONS

Hollenberg, D. "Information Processing Systems" in Encyclopedia of Computer Sci. and Tech. vol. 26 supplement 6 (A. Kent & J.G. Williams(eds.)) Marcel Dekker NY, 153-162, 1990.

Gallagher, R. et al. "Beyond Reductionism" Science vol. 284(5411) pp. 79-109 Apr. 2, 1999.

D.J. Watts & S.H. Strogatz "Collective dynamics of small-world networks" Nature 393 Jun. 4, 1998 pp. 440-442.

Fist, Stewart "Cancer scare for cellphone users" New Scientist May 10, 1997 p. 4 (article).

08/613725 Hollenberg "secure personal applications network" (pat. application) Mar. 12, 1996.

ART-UNIT: 275

PRIMARY-EXAMINER: Vo; Nguyen

ASSISTANT-EXAMINER: Bhattacharya; Sam

ABSTRACT:

A wireless system for providing services and time-critical information about places and events to mobile computers and their users proximate to their current locations or potential destinations within enclosed areas, urban landscapes, and open areas, including travel distances and transit times, entertainment, merchants' messages, area attractions, communications, current locations of system users, and traffic congestion information and user-generated information from bar-coded objects and digital photographs of scenes and other materials. Included is a combination low-radiation dosage-reception handset for wireless communications which includes bar-code reader and digital camera peripheral devices for mobile computers, a bracket for interfacing a mobile computer with radio to external systems, and methods for improving the operations of computer reception, search, and display of such information for the edification, efficiency, and enjoyment of computer users.

15 Claims, 16 Drawing figures



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L8: Entry 4 of 11

File: USPT

Jul 4, 2000

US-PAT-NO: 6084528

DOCUMENT-IDENTIFIER: US 6084528 A

TITLE: Intranet scanning terminal system

DATE-ISSUED: July 4, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beach; Robert	Los Altos	CA		
Tracy; William X.	Floral Park	NY		
Roslak; Thomas K.	Eastport	NY		
Klein; John	Morgan Hill	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Symbol Technologies, Inc.	Holtsville	NY			02

APPL-NO: 08/ 780023 [PALM]

DATE FILED: December 20, 1996

## PARENT-CASE:

RELATED APPLICATIONS This application is a continuation-in-part of U.S. patent application Ser. No. 08/706,579 entitled "DEVICE AND METHOD FOR SECURE DATA UPDATES IN A SELF-CHECKOUT SYSTEM" filed on Sep. 5, 1996. U.S. Pat. No. 5,825,002, and is, related to pending U.S. patent application entitled "Portable Shopping System" filed on Dec. 20, 1996.

INT-CL: [07] G06 F 7/04

US-CL-ISSUED: 340/825.35; 235/383, 379/93.05, 707/10

US-CL-CURRENT: 340/5.9; 235/383, 379/93.05, 707/10

FIELD-OF-SEARCH: 235/383, 235/385, 235/472.01, 235/472.02, 235/472.03, 235/462.01, 235/462.09, 235/462.1, 235/462.45, 235/462.46, 235/462.49, 707/10, 395/200.48, 395/200.47, 395/200.49, 340/825.72, 379/93.05, 379/93.12, 379/93.23, 379/93.25, 379/106.01, 455/566, 455/95, 375/200, 370/310, 370/912, 370/913, 1/1

## PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSU DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	4628193	December 1986	Blum	235/375
<input type="checkbox"/>	4916441	April 1990	Gombrich	235/462.45 X
<input type="checkbox"/>	5186281	February 1993	Jenkins	186/55
<input type="checkbox"/>	5280159	January 1994	Schultz et al.	235/462.46 X
<input type="checkbox"/>	5309351	May 1994	McCain et al.	340/825.72 X
<input type="checkbox"/>	5310997	May 1994	Roach et al.	235/375
<input type="checkbox"/>	5334821	August 1994	Campo et al.	235/380
<input type="checkbox"/>	5345071	September 1994	Dumont	235/383
<input type="checkbox"/>	5397882	March 1995	Van Solt	235/381
<input type="checkbox"/>	5410326	April 1995	Goldstein	340/825.72 X
<input type="checkbox"/>	5434394	July 1995	Roach et al.	235/375
<input type="checkbox"/>	5448471	September 1995	Deaton et al.	364/401
<input type="checkbox"/>	5468942	November 1995	Oosterveen et al.	235/383
<input type="checkbox"/>	5541398	July 1996	Hanson	235/462.46
<input type="checkbox"/>	5557088	September 1996	Shimizu et al.	235/383
<input type="checkbox"/>	5567925	October 1996	Koenck et al.	235/462.46 X
<input type="checkbox"/>	5594228	January 1997	Swartz et al.	235/383
<input type="checkbox"/>	5661632	August 1997	Register	361/681 X
<input type="checkbox"/>	5671436	September 1997	Morris et al.	707/10
<input type="checkbox"/>	5672860	September 1997	Miller et al.	235/472.01
<input type="checkbox"/>	5679943	October 1997	Schultz et al.	235/472.02
<input type="checkbox"/>	5721421	February 1998	Vandonkelaar	235/462.15
<input type="checkbox"/>	5747786	May 1998	Cargin, Jr. et al.	235/462.46
<input type="checkbox"/>	5821513	October 1998	O'Hagan et al.	235/383
<input type="checkbox"/>	5880449	March 1999	Teicher et al.	235/383
<input type="checkbox"/>	5898162	April 1999	Koenck et al.	235/472.01

#### FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
619662A2	March 1994	EP	
697793A2	February 1996	EP	
744856A2	November 1996	EP	
9002296	October 1990	NL	
WO90/16033	December 1990	WO	

#### OTHER PUBLICATIONS

The Wireless Store, The Strategic Environment for Retailing's Future (Symbol Technologies Brochure) Jan. 1992, p. 15.

ART-UNIT: 275

PRIMARY-EXAMINER: H. Abik; Michael

ASSISTANT-EXAMINER: Asongwed; Anthony A.

ABSTRACT:

An improved portable terminal system is described employing linked data files to present related information on a configurable display device. The portable terminal uses a machine coded reader to read machine coded data on an item and to register such information in a corresponding collection file. The system retrieves associated data files and presents such files in the form of a link if such information is determined to be non-essential. Thus, non-essential data may be presented as optional available data which may be accessed with a simple election command.

2 Claims, 14 Drawing figures





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File: USPT

Feb 1, 2000

US-PAT-NO: 6021392

DOCUMENT-IDENTIFIER: US 6021392 A

TITLE: System and method for drug management

DATE-ISSUED: February 1, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Colella; Salvatore	New Kensington	PA		
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## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Pyxis Corporation	San Diego	CA			02

APPL-NO: 08/ 986384 [PALM]

DATE FILED: December 8, 1997

## PARENT-CASE:

RELATED APPLICATIONS This application is a continuation-in-part application of pending application Ser. No. 08/762,041 filed on Dec. 9, 1996, entitled "System of Drug Distribution to Health Care Providers," and of pending application Ser. No. 08/867,605 filed on Jun. 2, 1997, entitled "System of Drug Distribution and Replenishment." These applications are incorporated herein by reference.

INT-CL: [06] G06 F 17/60

US-CL-ISSUED: 705/2

US-CL-CURRENT: 705/2

FIELD-OF-SEARCH: 705/2, 705/3, 705/22, 705/28, 235/375, 235/381, 235/385, 364/479.01, 364/479.11, 364/479.07, 364/479.06, 364/479.02, 364/479.14, 364/479.12, 221/2

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS.

Search Selected

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	5014875	May 1991	McLaughlin et al.	221/2
<input type="checkbox"/>	5460294	October 1995	Williams	221/2
<input type="checkbox"/>	5521370	May 1996	Hanson	235/472
<input type="checkbox"/>	5597995	January 1997	Williams et al.	235/375
<input type="checkbox"/>	5611051	March 1997	Pirelli	705/28
<input type="checkbox"/>	5682728	November 1997	DeBusk et al.	705/29
<input type="checkbox"/>	5713485	February 1998	Liff et al.	221/2

ART-UNIT: 271

PRIMARY-EXAMINER: Voeltz; Emanuel Todd

ASSISTANT-EXAMINER: Dixon; Thomas A.

ATTY-AGENT-FIRM: Steffensmeier; Michael D. Nickey; Donald O.

ABSTRACT:

A system is described in which a drug distribution center operates a computer software drug inventory management program in electronic communication with a health care provider computer software program for drug and health care supply distribution to patients. The system incorporates low unit dose measure drug and supply packaging including bar codes for automatically tracking drug information. The system further includes hand held drug information collection units for collecting the drug and supply information from the bar coded packages. The system provides complete drug and supply tracking from the drug supplier to a nursing station automated drug/supply dispensing machine.

51 Claims, 16 Drawing figures